AL P	6	101	PE /
IDS Form PTO/S	B/08: Sustitute for for		3007
AYRE	ORMAJION D	USO DEL	9 2007 IRE
51A	TEMENT BY	APPOLA	NI
Sheet	1	of	3

Complete if Known						
Application Number	09/903,081					
Filing Date	July 10, 2001					
First Named Inventor	DEMARAY, Richard E.					
Art Unit	1731					
Examiner Name	HOFFMAN, John M.					
Attorney Docket Number	9140.0014-00					

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS						
Examiner Initials	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant / assages or Relevant Figures Appear	
		US 2001/0031122 A1	10-18-2001	Lackritz et al.		
		US-2002/0191916 A1	12-19-2002	Frish et al.		
		US 2003/0185266 A1	10-02-2003	Henrichs		
		US-2005/017528 A1	08-11-2005	Pan et al.		
		US 2005/0183946 A	08-25-2005	Pan et al.		
		US 2006/0057283 A1	03-16-2006	Zhang et al.		
	-	US 4,710,940	12-01-1987	Sipes, Jr.		
		US 4,785,459	11-15-1988	Baer		
		US 6,236,793 B1	03-22-2001	Lawrence et al		
		US 6,288,835 B1	09-11-2001	Nilsson et a.		
		US 6,452,717 B1	09-17-2002	Endo		
		US 6,760,520 B1	07-06-2004	Medin et al.		
		US 6,884,327 B2	04-26-2005	Pan et al.		

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

	FOREIGN ATENT DOCUMENTS							
Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (# known)	ublication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶		
		JP 7-224379 A	8/22/1995	Ulvac Japan Ltd				
		KR 2003-0088236 (Appl. No. KR 2002-26187)	11-19-2003	Hyundai Motor to Ltd		Abstract		
		WO 01/82297 A1	11/1/2001	Koninklijke Philips Electronics N.V.				

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issae number(s), publisher, city and/or country where published.	ranslation ⁶
		AGR WAL, G.P., in: Fiber-Optic Communication Systems, 2nd Edition, John Wiley & Sons, New York, pp. 367-399 and 415 (1997).	
		ALDER, T. et al., "High-Efficiency Fiber-to-Chip Coupling Using Low-Loss Tapered Single-Mode Fiber," IEEE Photonics Tech. Lett. 12(8):1016-1018 (August 2000).	

Examiner Signature /John Hoffmann/ Date Considered 8-31-07

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXPRESS MAIL LABEL NO. EV 943276912 US

1	1 1								
US Form PTO/SB/08: Astitute for form 1449A/PTO					Complete if Known				
		2007			Application Number	09/903,081			
AUG AUG	NE	2007 DRMATION I TENT BY Use as many sheets	DISCLOSU	IRF	Filing Date	July 10, 2001			
13	CT A	TEMENT BY	ADDITION	NIT	First Named Inventor	DEMARAY, Richard E.			
War.	317	A TOWNER TO I	AFFLICE	ria i	Art Unit	1731			
1111	فلعبلة	Use as many sheets	s as necessary)		Examiner Name	HOFFMAN, John M.			
Shoo	$\overline{\mathbf{x}}$	2	of	3	Attorney Docket Number	9140 0014-00			

NON PATENT LITERATURE DOCUMENTS	
BORSELLA, E. et al., "Structural incorporation of silver in soda-lime glass by the ion-exchange process: A photoluminescence spectroscopy study," Applied Physics A 71:125-132 (January 7, 2000).	
BYER, R.L., "Nonlinear Optics and Solid-state Lasers: 2000," IEEE J. Selected Topics in Quantum Electronics 6(6):911-930 (November/December 2000).	
COCONULLO, G. et al., "Amorphous silicon waveguides and light modulators for integrated photonics realized by low-temperature plasma-enhanced chemical-vapor deposition," Optics Lett. 21/24):2002-2004 (December 15, 1996).	
FRAZAO, O. at al., "EDFA Gain Flattening Using Long-Period Fibre Gratings Based of the Electric Arc Technique," Proc. London Comm. Symp. 2001, London, England, 3 pages (2001).	
JOHNSON, J.E. et al., "Monolithically Integrated Semiconductor Optical Amplifier and Electroabsorption Modulator with Dual Waveguide Spot-Size Converter Input," IEEE J. Selected Topics in Quantum Electronics 6(1):19-25 January/February 2000).	
KATO, K. & INOUE, Y., Recent progress on PLC hybrid integration," SPIE 3631:28-36 (1999).	
KATO, K. & TOHMORI, Y., PLC Hybrid Integration Technology & Its Application to Photonic Components," IEEE J. Selected Topics in Quantum Electronics 6(1):4-13 (January/February 2000).	
MASUDA HarkAt/Alasa /Wide-band and gain-flattened hybrid fiber amplifier consisting of an EDFA and a multiwavelength pumped raman amplifier," IEEE Photonics Teginology Lett. 11(6):647-649 (June, 1999).	
PAN, T. et al., "Planar Er3+-doped aliminosilicate waveguide amplifier with more than 10 dB gain across C-band," Optical Society of America, 3 pages (2000).	
SNOEKS, E. et al., "Cooperative upconversion in erbium-inplanted soda-lime silicate glass optical waveguides," J. Opt. Soc. Am. B 12(8):1460 1474 (August, 1995).	
STROHHOFER, C. & POLMAN, A. "Energy transfer to Er3+ in Ag ion-exchanged glass," FOM Institute for Atomic & Molecular Physics, 10 pages (2001).	
TREICHEL, O. & KIRCHHOFF, V., "The influence of pulsed magnetron sputtering on topography & crystallinity of TiO2 films on glass," Surface & Goatings Technology 123:268-272 (September 19, 1999).	
Notice of Allowance mailed August 6, 2002, or US Patent No. 6,506,289 (Atty. Docket No. 09140.0002-01).	
Notice of Allowance mailed March 25, 2004, for US Patent No. 6,827,826 (Atty. Docket No. 09140.0002-02).	
Notice of Allowance issued on October 8, 2002, in U.S. Patent No. 6,533,907 (Atty. Docket No. 09140-0004-00).	
Notice of Allowance issued on October 21, 2004, in U.S. Application No. 10/101,492 (Atty. Docket No. 09140-0015-00).	
Response to Office Action filed February 17, 2006, in U.S. Application No. 11/100,856 (Atty. Docket No. 09140.0015-01).	
Final Office Action mailed June 9, 2006, in U.S. Appl. No. 11/100,856 (Atty. Oocket No. 09140.0015-01).	
Response to Office oction filed September 11, 2006, in U.S. Application No. 11x100,856 (Atty. Docket No. 09140.0015-01.)	
Office Action muled December 1, 2006, in U.S. Application No. 11/100,856 (Attorney Docket No. 9140.0015-01).	
 Response of Office Action mailed March 1, 2007, in U.S. Application No. 11/100,856 (Atomey Docket No. 9140.0016-01).	
Response to Office Action filed June 12, 2006, in U.S. Appl. No. 10/101,863 (Atty. Docket No. 09140.0016-00).	
Office Action mailed September 6, 2006, in U.S. Appl. No. 10/101,863 (Atty. Docket No. 09140.016-00).	

	 · · · · · · · · · · · · · · · · · · ·			
Examiner Signature	/John Hoffmann/	Date Considered	8-31	207

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ÉXPRESS MAIL LABEL NO. EV 943276912 US

Complete if Known IDS Form PTO/SB/08: Supstitute for form 1449A/PTO Application Number 09/903,081 AUG 0 9 2007 INFORMATION DISCLOSURE STATEMENT BY APPLICANT July 10, 2001 Filing Date First Named Inventor DEMARAY, Richard E. Art Unit 1731 (Use as many sheets as necessary) Examiner Name HOFFMAN, John M. Sheet 3 Attorney Docket Number 9140.0014-00 3

NON PATENT LITERATURE DOCUMENTS
Response to Office Action filed February 6, 2007, in U.S. Application No. 10/101,863 (Attorney Docker No. 140.0016-00).
Final Office Action mailed May 2, 2007, in U.S. Appl. No. 10/101,863 (Atty. Docket No. 09140.00/6-00).
Response to Office Action filed August 9, 2006, in Application No. 10/954,182 (Attorney Docket No. 9140.0016-01).
Office Action mailed October 31, 2006, in Application No. 10/954,182 (Attorney Docket No. 9140.0016-01).
Response to Office Action filed December 6, 2006, in Application No. 10/954,182 (Attorney Docket No. 9140.0016-01).
Office Action mailed March 14, 2007, in Application No. 10/954,182 (Attorney Docket No. 9140.0016-01).
Response to Office Action filed March 30, 2007, in Application No. 10/954,182 (Attorney Docket No. 9140.0016-01).
Notice of Non-Compliant Amendment mailed April 12, 2007, in Application No. 10/954,182 (Attorney Docket No. 9140.0016-01).
Response to Notice of Non-Compliant Amendment filed April 23, 2097, in Application No. 10/954,182 (Attorney Docket No. 9140.0016-81).
Final Office Action mailed July 24, 2007, in Application No. 10/964,182 (Attorney Docket No. 9140.0016-01).
Preliminary Amendment filed September 16, 2005, in U.S. Application No. 11/228,834 (Attorney Docket No. 9140.0016-02).
Supplemental Preliminary Amendment filed Tebruary 6 2007, in U.S. Application No. 11/228,834 (Attorney Docket No. 9140.0016-02).
Preliminary Amendment filed July 27, 2005, in U.S. Application No. 11/191,643 (Attorney Docket No. 9140.0016-04).
Corrected Preliminary Amendment filed September 12, 2005, in U.S. Application No. 11/191,643 (Attorney Docket No. 9140.0016-04).
Supplemental Preliminary Amendment filed February 6, 2007, in U.S. Application No. 11/191,643 (Attorney Docket No. 9140.0016-04).
Office Action mailed on March 23, 20%6, in U.S. Application No. 10/650,461 (Atty. Docket No. 09140-0025-00).
Response to Office Action filed of July 24, 2006, in U.S. Application No. 10/650,461 (Atty. Docket No. 09140-0025-00).
Response to Office Action filed February 20, 2007, in U.S. Application No. 10/650,461 (Attorney Docket No. 9140.0025-00).
Office Action mailed March 6, 2007, in U.S. Application No. 10/650,461 (Attemey Docket No. 9140.0025-00).
Response to Office Action filed July 9, 2007, in U.S. Application No. 10/650,461 Attorney Docket No. 9140.0025-00)
Office Action mailed September 22, 2006, from Korean Patent Office in Appl. No. 10 2005-7016055 (Atty. Docket No. 06140.0030-00202)
Response to Office Action filed November 8, 2006, from Korean Patent Office in Appl. No. 10-2005-7016055 (Atty. Docket No. 09140.0030-00202)

Examiner Signature	/John Hoffmann/	Date Considered	9-31	-01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXPRESS MAIL LABEL NO. EV 943276912 US